

THE BUILDER.

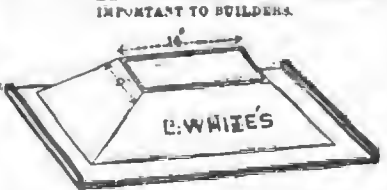
IRON BUILDING and ROOFING WORKS,
BIRMINGHAM, W. G. GIBSON.
JOHN H. POKER.
Manufacturers of the Corrugated and other kinds of Iron Roofing
for railway stations, carriage sheds, farm buildings, gas-works,
cumbrous, Australia, &c. &c.
PATENT
Of the Corrugated Iron Roofs, Windows, and Fire proof Floors.
LONDON—Office, No. 10, Cannon-st.

THE PATENT GALVANIZED IRON.
TUPPER and CARR.
Owners of Tupper's Patent, and Successors to
THE GALVANIZED IRON COMPANY
Apply patent Galvanized Iron, Sheet, wire of corrugated, for roofing,
to Water or Gas Pipes, Cast-iron, Wire of all gauges, Gutters,
Hoopings, &c. Wholesale retail, and for export.
An illustration of the Trade.
WORKS—ROBERTS CANAL, WILKIN, LINCOLNSHIRE, and
BIRMINGHAM.
LONDON OFFICE—1, MARK LANE, HOUR PLACE.

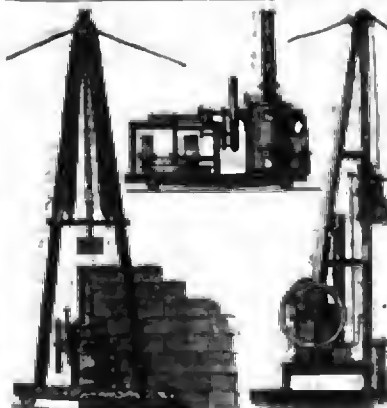
THE PATENT (IMPROVED) GALVANIZED IRON.
JOHN ATWOOD and CO. submit the attention of merchants,
builders, contractors, and others to the improvements they have
made in making GALVANIZED IRON, by which they are
enabled not only to preserve the toughness and ductility of the
iron, but to supply galvanized sheet-iron and wire of every description,
superior in all respects to that produced by any other process.
Estimates given for iron roofs, corrugated sheet, houses, wire for
telegraphs and numerous cables, wire ropes, rivets, &c.
Burglars and thieves in the Old London supplied with
J. R. and Co's PATENT GALVANIZED IRON GOLD WARE-
HOUSE MACHINES.
J. R. and Co. are now making estimates for goods and complete
sets of plans, and every other information, forwarded on application.
OFFICES—12, CIRCUS, MINORITIES.
WORKS—GLASSHOUSE-YARD, opposite the principal
entrance to the London Dock.

**SIR W. S. HARRIS'S LIGHTNING CON-
DUCTORS.**—The public attention, as well as that of Church-
building Committees, and those interested in the preservation of
churches and all descriptions of buildings, is called to the very
superior results of Sir W. S. Harris's Lightning Conductors,
which have been proved. THOMAS W. GRAY, Esq., King William-street,
City, London, respectfully announces that he is the only person
authorized by Sir W. S. Harris to apply his Lightning Conductors,
and that he will not be responsible for their application by any other
person. The positive form and adaptation of these Conductors is
such as to safely carry off any amount of electric fluid, as evidenced
in many authentic instances of rain, both in the nave and
arches, as well as in buildings; and to show the trans-
mission of these Conductors. It may be stated that the First
Grand Medal of the Great Exhibition was awarded for them.
Mr. T. W. GRAY will be happy to supply any information that
may be desired, and to furnish estimates of the cost for fitting the
Conductors.

**ROBSON and SON'S IMPROVED WHEEL
RIM.** For increasing the draught of Vehicles, and reducing
the friction upon the axle—R. and Son, Whitechapel and Loop
The axle, having been registered an improved form (which is man-
ufactured by a process recently patented), are prepared to tire wheels
with the above rim, which has many advantages over the flat
rim, as the strain is removed from the front and back edges of the
saddle, thereby decreasing the draught greatly, in vehicles with
double-tree axles—R. and Son, 110, Whitechapel, and have fitted with
the above rim—Estimates of price may be had on application at the
factory, Leipsford street, and Larcum street, Gray's-inn, Hol-
born, London.



REGISTERED CAST-IRON CHIMNEY.
R. HOPPER and CHIMNEY-PIPE COMBINED, ensuring
a perfect formation of the Flue, and rendering any chimney
impossible. One trial will cause their adoption in every building.
Price from 10s. 6d. each, according to size.
CAST-IRON KITCHEN SINKS, with over-sink-pipe, 10s. 6d.
IRON PIPES and connections for gas, water, and liquid
manure.
RAIN-WATER PIPE and RAKE OUTERS, at wholesale
prices. Also, O. G. gutters, each weight, STABLE FITTINGS,
pumps, beam railing, cast-iron pig troughs, and COLUMNS with
cap and base, and every kind of builders' materials in stock, at
LION WHITE, Iron Works, Upper Ground street, London,
near Blackfriars-bridge.



**A SAVING of TIME and MATERIALS, with
facility of Repair.**
NATHAN GOUGH'S PATENT PORTABLE STEAM
ENGINE of two, three, four, and six-horse power, for grinding
mortar, raising building materials, driving piles, circular saws,
pumps, &c. at Albert-street, Manchester.
TESTIMONIAL
From the Trustees of the Birmingham Dock,
"Engineer's Office, Dock-yard, Birmingham, 21st July, 1861."
"No man is so much pleased in informing you that the three-
horse engine which you have placed in the Dock-yard for pumping
water is performing admirably, and its work much better than
any other could accomplish. From its portability and light
ness it is particularly adapted for such a purpose."
—J. A. MERRITT."

**SLATE MERCHANTS can have their SLATES
LIGHTERED upon very advantageous terms, by
CHARLES STOUTON,
Lighterman,
24, Commercial-road, Lambeth.**

**SAW MILL PROPRIETORS and TIMBER
MERCHANTS**
see how their GOODS LIGHTERED upon very advantageous
terms.
CHARLES STOUTON (sole Lighterman) in the Commercial
Dock (Company).
24, Commercial-road, Lambeth. — Parties let on hire.

**TO ARCHITECTS, TIMBER MERCHANTS, AND BRICK
MANUFACTURERS.**
THE best and quickest drying of the wood, bricks,
and houses, is obtained by the PATENT STEAM
CALORIFIER, etc. depending in twenty-four hours about four ft. of
water, without altering the shape or form of the quality of
the most precious articles. The Calorifier works by hot air only,
without any machinery of power. Small quantities are required; no
great quantity for many years. A stove full of hot, large stones
or charcoal used, and the timber considerably reduced by the use
of the above valuable steam. It is in operation at Wood-paving
Company's Works, Finsbury; at Mr. Mackenzie, Architect, of
Vintners' Hall, Finsbury; at Messrs. P. and R. Mackenzie, Iron-
founders and general millwrights, Millers, and Manufacturers, in London
and country. Apply per post to T. BULLIVANT, Engineer, for
French Street Mills, Tottenham, or 10, Fenchurch street, London.

IRON ROOF
By Royal
JOHN WALKER, SON OF THE PATENTEE, GENERAL CONTRACTOR,
Having extended his means for executing Orders and Contracts for
CORRUGATED IRON BUILDINGS AND ROOFS,
Galvanized or otherwise, will be happy to wait, by appointment, on ARCHITECTS, ENGINEERS, &c.
His servants are invited to execute his orders for Shipping Orders. The Trade supplied with Corrugated Iron, Flues of Galvanized, or
Iron Corrugated. References to Firms of the first class.

FIRE-PROOF FLOORING.
The nearest attention of ARCHITECTS, ENGINEERS, &c. is called to a particularly economical mode of creating Fire-proof
Floors capable of sustaining great weight, without any thrust against the walls. Any information, with Estimates, Drawings, &c. may
be obtained at the Office.
43, ORABOCHURCH-STREET, LONDON.

**GLOOMY and DARK ROOMS
ILLUMINED BY THE LIGHT OF DAY**
PATENT COMBINATION REFLECTORS;
WINDOWS SECURED AGAINST FIRE AND BURGLARY.
A Description, per-free, on application to
BOYD and CHAPMAN (late J. Boyd and Son), SOLE MANUFACTURERS,
78, WELBECK-STREET, CAVENDISH-SQUARE.

BRICK AND TILE MACHINES.
The Proprietors of HART'S PATENT BRICK and TILE MACHINES are now prepared to receive and execute orders with the
least possible delay, but to prevent disappointment, they beg to state that they will rapidly adhere to the order in which they are
received.
The advantages of the Brick Machine may be shortly described:—
1st. The way is perfect and the brick emitted by the same motion, and may be produced from clay that cannot be worked by
hand.
2nd. The bricks are superior in quality to hand-made, being of a uniform density.
3rd. The bricks pass from the mould to the pallet boards without injury by handling, and are much easier ready for the carrier.
4th. It is self-acting, portable, dispenses with skilled labour, and enables a contractor to estimate his product with certainty.
5th. It is warranted to produce perfect bricks per hour, and will continue in working order for years.
6th. Having 100 sq. ft. per 1,000 in 10 hours, it is the most economical machine, but which will be found to be better equipped with the
immense advantages in the use of untempered clay and the shortness of the time required between the mould and clamping.
The above advantages will be fully borne out on reference to any person using a Machine, and are confirmed by the performance of a
Machine of the Yorkshire Agricultural Show, on the 7th of August, when, after a severe test, a 17th Medal was presented to the
inventor, when the Machine made 2,700 first-class Bricks within the hour.
Price 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 950, 1,000, 1,050, 1,100, 1,150, 1,200, 1,250, 1,300, 1,350, 1,400, 1,450, 1,500, 1,550, 1,600, 1,650, 1,700, 1,750, 1,800, 1,850, 1,900, 1,950, 2,000, 2,050, 2,100, 2,150, 2,200, 2,250, 2,300, 2,350, 2,400, 2,450, 2,500, 2,550, 2,600, 2,650, 2,700, 2,750, 2,800, 2,850, 2,900, 2,950, 3,000, 3,050, 3,100, 3,150, 3,200, 3,250, 3,300, 3,350, 3,400, 3,450, 3,500, 3,550, 3,600, 3,650, 3,700, 3,750, 3,800, 3,850, 3,900, 3,950, 4,000, 4,050, 4,100, 4,150, 4,200, 4,250, 4,300, 4,350, 4,400, 4,450, 4,500, 4,550, 4,600, 4,650, 4,700, 4,750, 4,800, 4,850, 4,900, 4,950, 5,000, 5,050, 5,100, 5,150, 5,200, 5,250, 5,300, 5,350, 5,400, 5,450, 5,500, 5,550, 5,600, 5,650, 5,700, 5,750, 5,800, 5,850, 5,900, 5,950, 6,000, 6,050, 6,100, 6,150, 6,200, 6,250, 6,300, 6,350, 6,400, 6,450, 6,500, 6,550, 6,600, 6,650, 6,700, 6,750, 6,800, 6,850, 6,900, 6,950, 7,000, 7,050, 7,100, 7,150, 7,200, 7,250, 7,300, 7,350, 7,400, 7,450, 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